Premium mobility, power and style.

CUTTING-EDGE PERFORMANCE

The sleekly designed, lightweight VAIO® SZ Premium Notebook optimizes mobility while offering superior performance on every front, starting with its use of Intel® Centrino® Duo mobile technology for advanced multi-tasking potential. It also boasts hardware solutions that will power you through your most demanding tasks, including a super-fast 4200rpm Serial ATA hard drive and advanced DDR2 memory for ultra high-speed computing.

UNIQUE AND INNOVATIVE FEATURES

Exclusive to VAIO® PCs, the revolutionary Hybrid Graphics System lets you set you switch between an internal graphics chip for optimal power consumption and an external graphics chip for even more robust performance. In addition to PC card support, it supports ExpressCard™ , an emerging standard in smaller, faster PC card solutions, making it ideal for transfers of video and large files.

PREMIUM CARBON FIBER CASING

The Sony VAIO® SZ Premium SZ491N/X notebook also features a cutting-edge carbon fiber casing. During the molding processes, a gelcoat resin is applied to the carbon fiber casing, exposing the multiple layers of carbon and providing a cool brushed look and crisscross pattern.

A premium mix of mobility, power and style, the ultra-sleek VAIO® SZ Premium Notebook features a razor-thin 13.3" widescreen display[11], long battery life[7], integrated WAN technology[13] through Cingular Wireless, Intel® Centrino® Duo mobile technology using Intel® Core™ 2 Duo processor, revolutionary Hybrid Graphics System, and a cutting-edge premium carbon-fiber casing. Work faster, play longer and get more from every moment with the VAIO SZ Premium Notebook.

intel Centrino Duo Core 2 Duo inside

Windows Vista Business

cingular

Bluetooth

G-SENSOR

XBRITE™

VGN-SZ491N/X

VAIO® SZ Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Ultra Portable
Action Buttons: S1, S2 (programmable), Wireless LAN On/Off, Bluetooth® On/Off,
Pointing Device: Electro-Static touch pad
Security: Trusted Platform Module (TPM), TCG Ver.1.2 compliant Biometric Fingerprint Sensor

Hardware

Keyboard: QWERTY (86 keys with 3mm stroke and 19.05mm pitch)
Camera: Built-in Camera and microphone

Processor

Type: Intel® Core™ 2 Duo Processor T7400
Speed: 2.16GHz[1]
Front Side Bus Speed: 667MHz
L2 Cache: 4MB Advanced Smart Cache
Technology: Intel® Centrino® Mobile Technology

Memory

Type: DDR2
Installed: 2GB (1GBx2) PC2-4200
Maximum: 2GB
Speed: 533MHz

Hard Drive

Capacity: 200GB[2]
Speed: 4200rpm
Interface: Serial ATA
Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[4] DVD±R DL/DVD±RW/DVD-RAM
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Supports Memory Stick DUO™ media with MagicGate® functionality One ExpressCard™ /34 Slot: 5-in-1 Memory Card Adaptor (VGP-MCA20) supporting Memory Stick®, Memory Stick PRO™ , Secure Digital, xD-Picture Card, and MultiMediaCard (MMC) One PCMCIA - Type II/Type I card slot with CardBus support

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA razor thin LCD panel
Screen Size: 13.3"[11]
Resolution: 1280x800
XBRITE™ LCD Technology: Yes White LED back light for better quality and clarity

Graphics

Processor: NVIDIA® GeForce® Go 7400 and Intel® Graphics Media Accelerator 950
Video RAM: 335MB Total Available Graphics Memory[15], NVIDIA® GeForce® Go 7400 notebook graphics processing unit (GPU) and 224MB Total Available Graphics Memory[15], Intel® Graphics Media Accelerator 950
Technology: Hybrid Graphics System
Chipset: Intel® 945GM
Interface: VGA out w/ Smart Display Sensor

Inputs and Outputs

Headphone Jack: 1
i.LINK® Interface: 1 (4-pin IEEE 1394) interface[6]
Memory Stick® Media Slot: 1
Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
Express Card™ Slot: Express Card™ Slot
Ethernet Connection (s): 1

Networking/Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10BASE-T/100BASE-TX
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO/Wireless 3945ABG Network Connection (802.11a/b/g)[3]
Wireless WAN: Integrated (WAN)[13] Wireless Wide Area Network accessing Cingular Wireless National EDGE Network with SmartWi™ technology (Wireless WAN and Wireless LAN radio do not transmit simultaneously)
Bluetooth® Technology: Integrated Bluetooth® Technology[5]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS2C)
Estimated Battery Life: 2.0-5.0 hours[7] (Standard Battery)
Power Requirements: 105W+10%

Software

Operating System: Microsoft® Windows® Vista™ Business
Internet Services: AOL® 90-Day Risk Free Trial - New Users Only
Supplied Software: Microsoft® Works 8.5 60-Day Trial Version of Microsoft® Office 2007[10]
Anti-Virus & Recovery Software: Norton® Internet Security™ 2007 60-Day trial with spyware protection
Sony® Software: Click to DVD® - DVD Creation Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year (toll-free technical telephone assistance, available 24/7)[9]
Online and Email Support: Support available from http://www.esupport.sony.com/EN/VAIO
Limited Warranty Term: 1 Year Limited Warranty[8]

Dimensions

Weight: 3.72 lbs. with standard battery (weight is approximate and may vary)
Measurements: 12.5"(W) x 0.9"-1.3"(H) x 9.3"(D)

Supplied Accessories

Cingular SIM Card[13]
Memory Card Adapter (VGP-MCA20)[14]
Standard Lithium-ion battery (VGP-BPS2C)
AC adapter (VGP-AC19V10)
Power Cord

Optional Accessories

Port Replicator (VGP-PRSZ1)
Additional Standard Capacity Battery (VGP-BPS2C)
Large Capacity Battery (VGP-BPL2C)
AC Adapter (VGP-AC19V10)
Battery Charger (VGP-BC1)
Bluetooth® Wireless Mouse (VGP-BMS30)
Protection Case with VSP™ (VGP-CKSZ1)
Neoprene Notebook & AC Adapter Case (VGP-AMC1)
Privacy Filter (VGP-FL8)

Color: Premium Black Carbon Casing
UPC Code: 27242711617

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point(s). Some features may rely on Internet service which may require a fee.
4. DVD Media/Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC), or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. The Microsoft Office 2007 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
11. Viewable area measured diagonally.
12. Broadband Internet service required along with third-party services which may require a subscription fee or other service fee.
13. Subscription with Cingular Wireless required. See www.sonystyle.com/cingular for complete offer details, price plans, service terms and conditions and coverage map. Call 1-888-739-VAIO (8246) for service activation.
14. Does not support Memory Stick® media and Memory Stick PRO™ media using the MagicGate® function or high-speed data transfer. Supports memory cards with capacities up to 1GB. Does not support 5.0V SmartMedia media or the ID function of SmartMedia media with IDs. Does not support the SD Memory Card media copyright protection function. This adapter has been tested with only Sony® branded Memory Stick PRO™ media. Sony® branded Memory Stick PRO™ media is recommended for use with this adapter.
15. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, witch is the Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory veries depending on the oerating condition and system memory size.
16. Non-metric weights and measurements are approximate and may vary.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.
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Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).